



David E. Pierce
Director

Commonwealth of Massachusetts

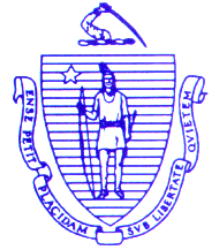
Division of Marine Fisheries

251 Causeway Street, Suite 400

Boston, Massachusetts 02114

(617)626-1520

fax (617)626-1509



Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Matthew A. Beaton
Secretary

George N. Peterson, Jr.
Commissioner

Mary-Lee King
Deputy Commissioner

Notice to Fixed Gear Fishermen

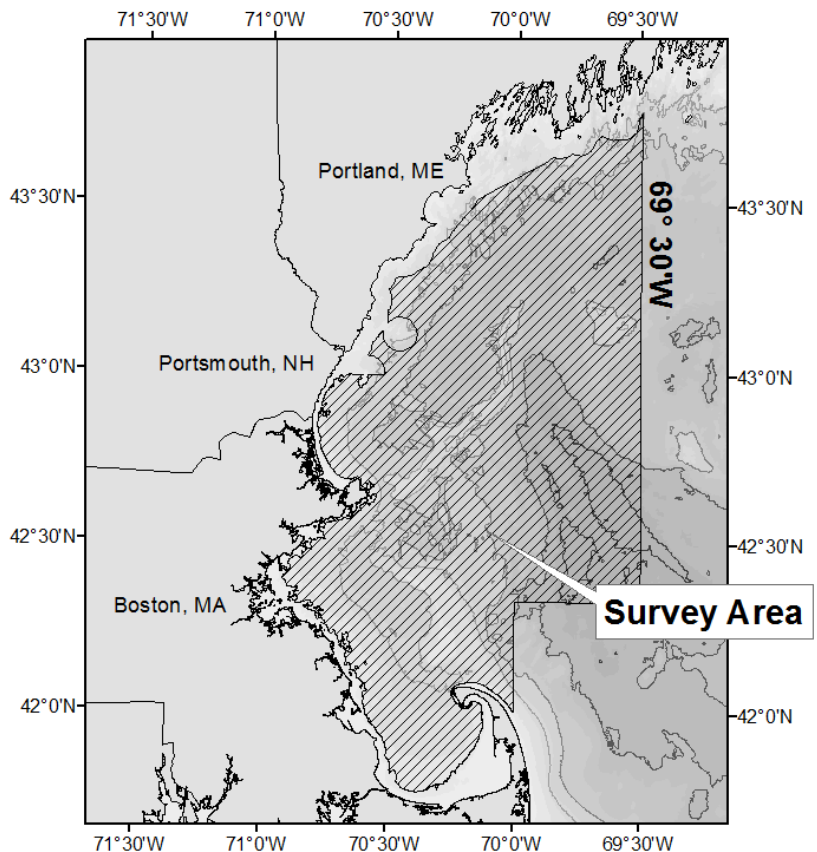
Industry-Based Survey for Gulf of Maine Cod

The Massachusetts Division of Marine Fisheries (MA DMF) is continuing the collaborative research effort with the commercial groundfish industry to establish an industry-based trawl survey (IBS) to study Gulf of Maine (GOM) cod.

The purpose of the study is to collect biological information, abundance estimates, and distribution information with the goal of providing additional information to help inform management and support stock assessments. Although the primary species of focus is GOM cod, additional data will be collected to enhance the management of other **groundfish** and **lobster** stocks within the GOM.

The survey will start again in October and end in January 2017. The survey is a stratified-random design and stations occur from 10 fathoms to 160 fathoms, including waters west of 69°30' within the GOM cod stock boundary.

The survey vessel will be completing tows that are 200 feet wide and 1.5 nautical miles long and as close as possible to the designated stations. Many of the tows are not straight line tows; rather they follow an edge or substrate type. Massachusetts Division of Marine Fisheries **requests fishermen to voluntarily assist by temporarily clearing the stations of fixed gear** during the designated time period. Attached are several tables and maps that



detail tow locations of upcoming survey cruises.

The vessel selected for the survey is the **F/V Miss Emily**, a western rigged stern trawler based out of Scituate, MA. The vessel details are below:

Vessel Name	Hull Number	Hull Color	Captain	Vessel Phone
Miss Emily	MS2892BE	Green	Kevin Norton	(781) 801-8888

During the survey the F/V Miss Emily can be reached on **VHF Channel 16** or on vessel cell phone number shown in the table above.

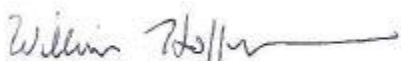
The IBS text message alert system is the most effective method of receiving real-time updates. Users of this system will receive messages detailing the progress and schedule of the survey by region. To sign up for this service visit the MA DMF website and visit the [Industry-Based Survey of Gulf of Maine Cod](#) project page, click the [text message alerts](#) link, and complete the Google signup form. If you would like assistance signing up, call Maren Olson at 978-282-0308 ext. 167.

Please note that the survey schedule may be affected by adverse weather conditions. Updates identifying when tows are planned and completed will be available from the following resources:

- Visit the Massachusetts Division of Marine Fisheries website (<http://www.mass.gov/marinefisheries>) and proceed to the Industry-Based Survey for Gulf of Maine Cod project page.
- Real-time text alerts with planned and completed tows.
- Announcements made on VHF Channel 16 the morning of each day that the survey is being conducted.
- Massachusetts Division of Marine Fisheries social media accounts.
- Contact William Hoffman at Massachusetts Division of Marine Fisheries at (978) 282-0308 ext. 106.
- Contact the F/V Miss Emily directly via VHF radio or vessel cell phone.

Massachusetts Division of Marine Fisheries thanks all fishermen for past and future cooperation. Through these efforts we are very optimistic that a successful survey can be achieved, resulting in improved stock assessments and improved fisheries management.

Thank you,



William Hoffman
Co-Principle Investigator
Senior Fisheries Biologist



Micah Dean
Co-Principle Investigator
Senior Fisheries Biologist

Industry Based Survey Tow Locations - October 2016

TOW	LAT	LON
1	43 35.048	69 49.704
2	43 41.136	69 36.063
3	43 37.742	69 44.241
4	43 14.526	70 17.285
5	43 07.366	70 22.403
6	43 11.854	70 28.094
7	43 16.593	70 26.789
8	43 13.993	69 33.481
9	43 27.613	69 45.417
10	43 01.578	69 45.042
11	43 09.420	69 52.685
12	43 08.166	69 46.479
13	43 15.592	69 39.644
14	43 20.593	69 43.130
47	43 05.816	69 57.916
49	43 09.169	70 02.990

PRECAUTIONARY AREAS

Traffic within the Precautionary Areas may consist of vessels operating between Portland Harbor or Boston Harbor and one of the established traffic lanes. Mariners are advised to exercise extreme care in navigating within these areas.

NOTE E

Trawlers or other vessels should exercise caution while dragging the ocean floor within a 6.7 - mile radius of Isles of Shoals Light since it is known that JATO racks and associated debris exist in the area.

NOTE J

DEEP/WATER PORTS

The Neptune and Northeast Gateway Deepwater Ports are encompassed by multiple boundaries including an Area to Be Avoided, No Anchoring Areas, Regulated Navigation Areas, and Safety and Security Zones. Refer to chart 13267.

NOTE F

(Protected area 15 CFR 922)

The following activities are prohibited within the Stellwagen Bank Marine Sanctuary:

- Certain discharging or dumping
- Industrial exploring or developing
- Drilling and dredging
- Removing historical artifacts
- Lighting

Refer to 15 CFR 922 for details of Sanctuary regulations.

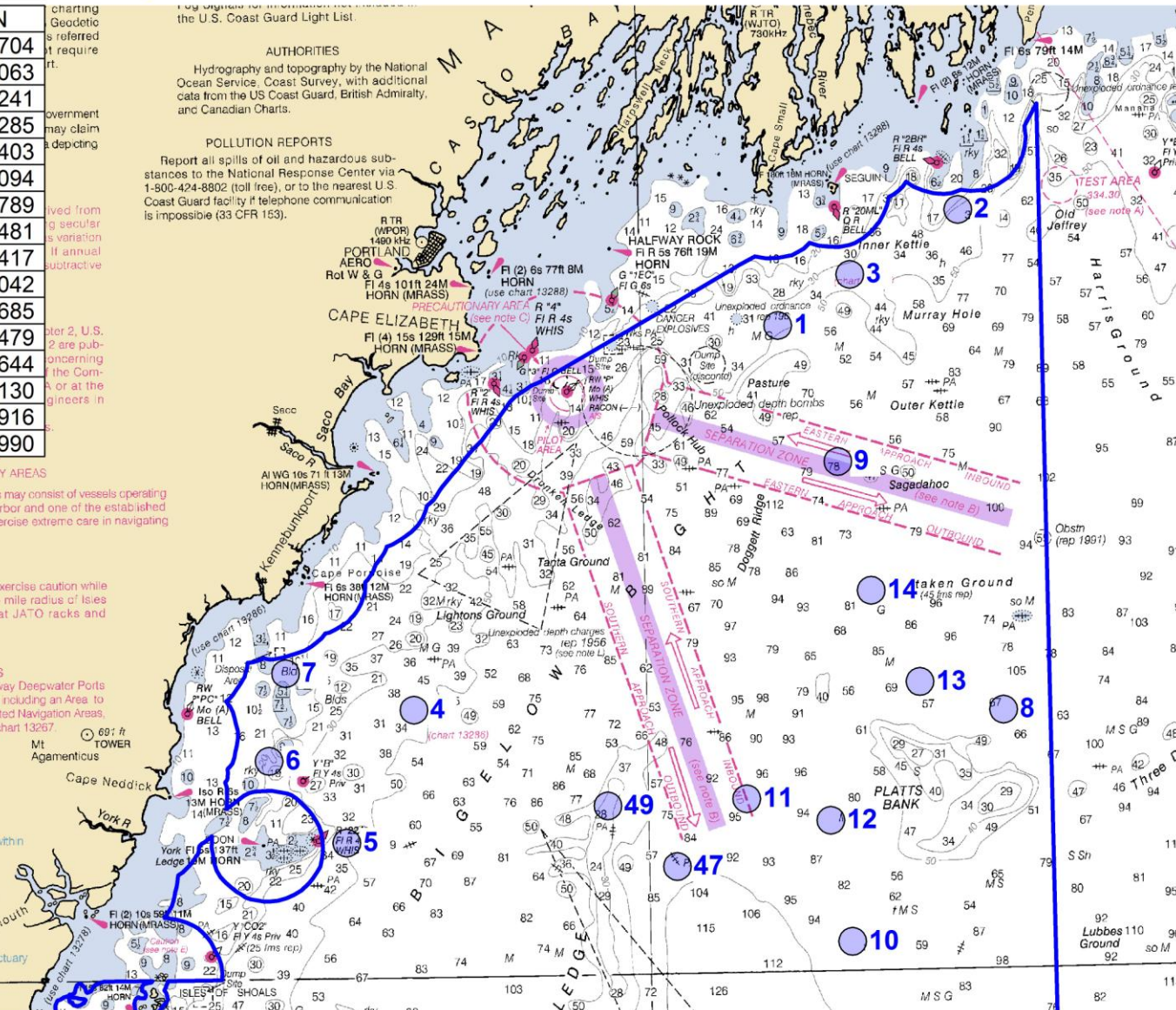
charting
Geodetic
refered
require
rt.

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the US Coast Guard, British Admiralty, and Canadian Charts.

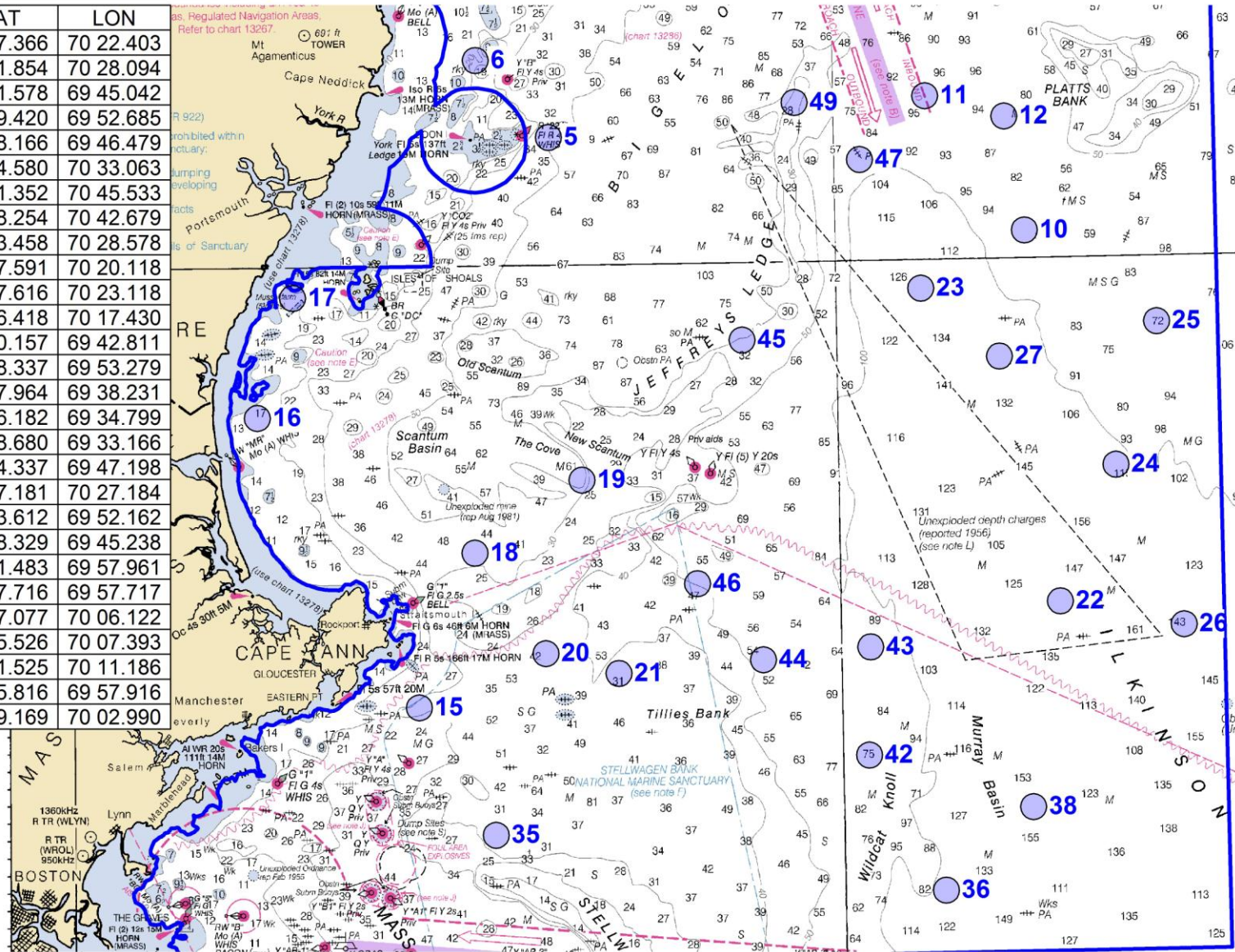
POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

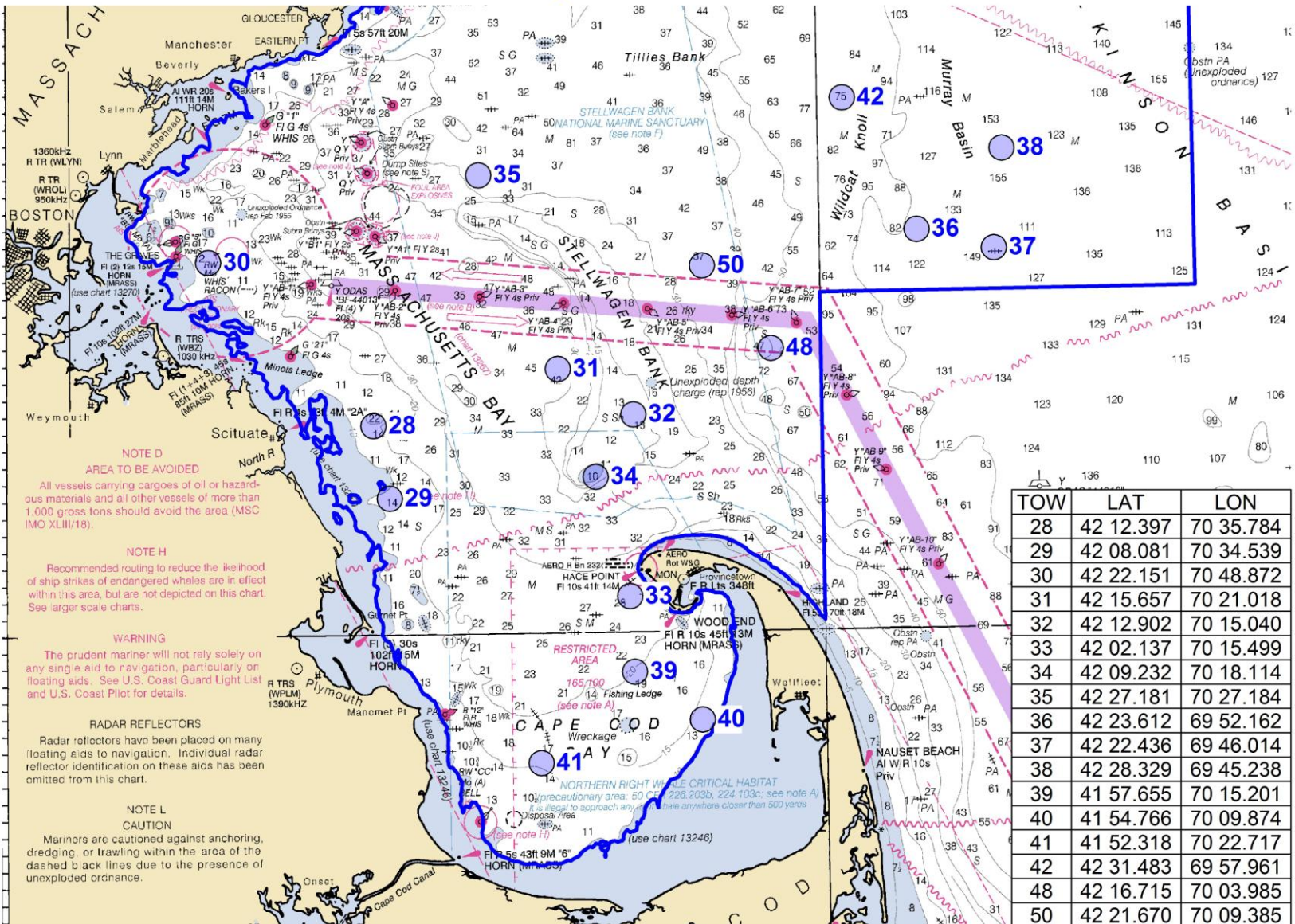


Industry Based Survey Tow Locations - October 2016

TOW	LAT	LON
5	43 07.366	70 22.403
6	43 11.854	70 28.094
10	43 01.578	69 45.042
11	43 09.420	69 52.685
12	43 08.166	69 46.479
15	42 34.580	70 33.063
16	42 51.352	70 45.533
17	42 58.254	70 42.679
18	42 43.458	70 28.578
19	42 47.591	70 20.118
20	42 37.616	70 23.118
21	42 36.418	70 17.430
22	42 40.157	69 42.811
23	42 58.337	69 53.279
24	42 47.964	69 38.231
25	42 56.182	69 34.799
26	42 38.680	69 33.166
27	42 54.337	69 47.198
35	42 27.181	70 27.184
36	42 23.612	69 52.162
38	42 28.329	69 45.238
42	42 31.483	69 57.961
43	42 37.716	69 57.717
44	42 37.077	70 06.122
45	42 55.526	70 07.393
46	42 41.525	70 11.186
47	43 05.816	69 57.916
49	43 09.169	70 02.990



Industry Based Survey Tow Locations - October 2016



Industry Based Survey Tow Locations - November 2016

TOW	LAT	Lon
1	43 36.724	69 39.344
2	43 32.159	69 32.875
3	43 40.591	69 34.550
4	43 18.681	70 04.720
5	43 01.848	70 29.807
6	43 28.024	70 09.643
7	43 02.993	70 21.950
8	43 17.373	69 42.286
9	43 23.283	69 42.257
10	43 10.336	69 35.905
11	43 26.848	69 53.878
12	43 01.417	69 33.293
13	43 18.142	69 58.716
14	43 14.326	69 31.822
42	43 09.738	70 04.149
50	43 08.339	70 09.738

PRECAUTIONARY AREAS

Traffic within the Precautionary Areas may consist of vessels operating between Portland Harbor or Boston Harbor and one of the established traffic lanes. Mariners are advised to exercise extreme care in navigating within these areas.

NOTE E

Trawlers or other vessels should exercise caution while dragging the ocean floor within a 6.7 - mile radius of Isles of Shoals Light since it is known that JATO racks and associated debris exist in the area.

NOTE J

DEEP/WATER PORTS

The Neptune and Northeast Gateway Deepwater Ports are encompassed by multiple boundaries including an Area to Be Avoided, No Anchoring Areas, Regulated Navigation Areas, and Safety and Security Zones. Refer to chart 13267.

NOTE F

(Protected area 15 CFR 922)

The following activities are prohibited within the Stellwagen Bank Marine Sanctuary:

- Certain discharging or dumping
- Industrial exploring or developing
- Drilling and dredging
- Removing historical artifacts
- Lighting

Refer to 15 CFR 922 for details of Sanctuary regulations.

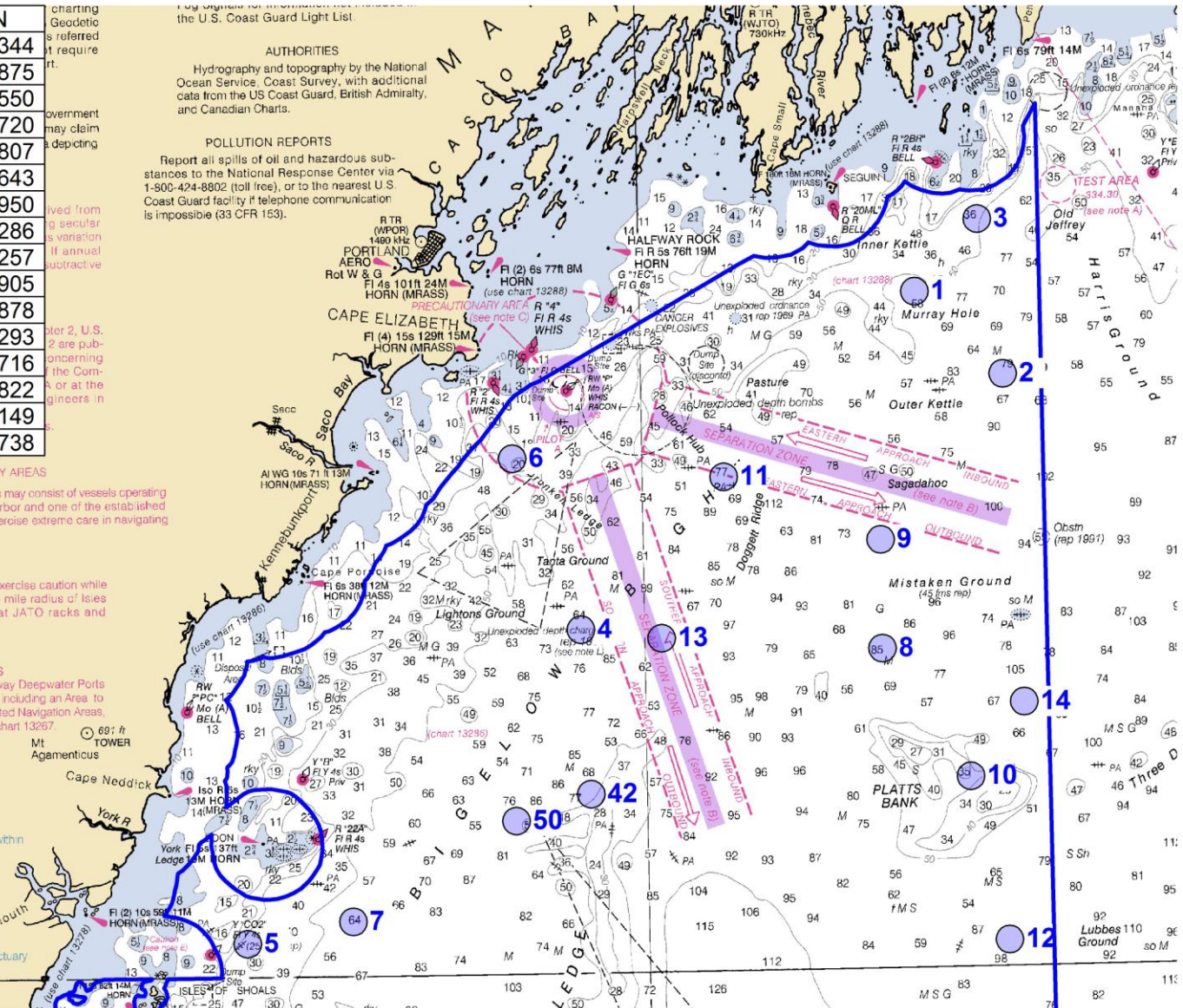
Log designed for information not contained in the U.S. Coast Guard Light List.

AUTHORITIES

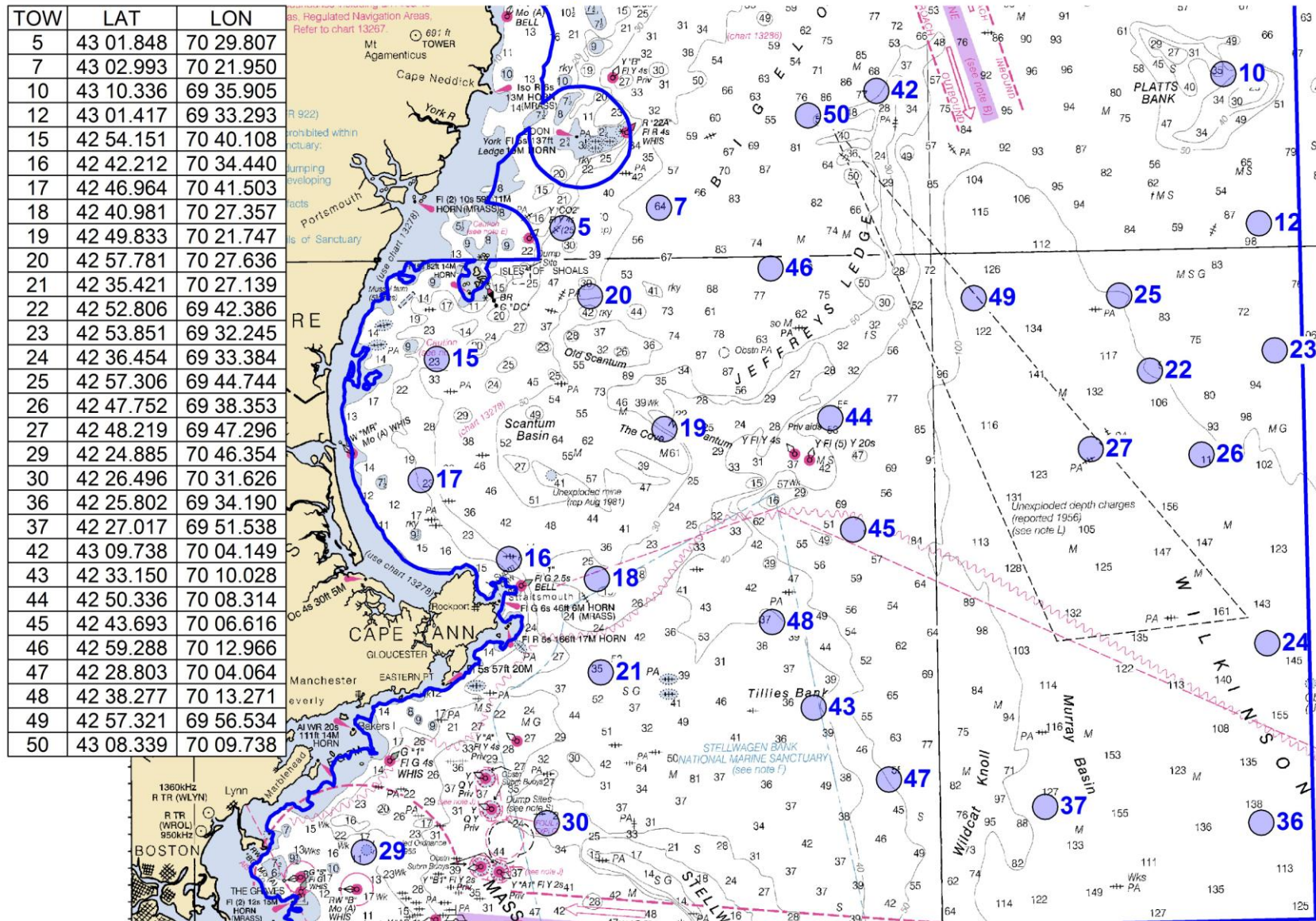
Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the US Coast Guard, British Admiralty, and Canadian Charts.

POLLUTION REPORTS

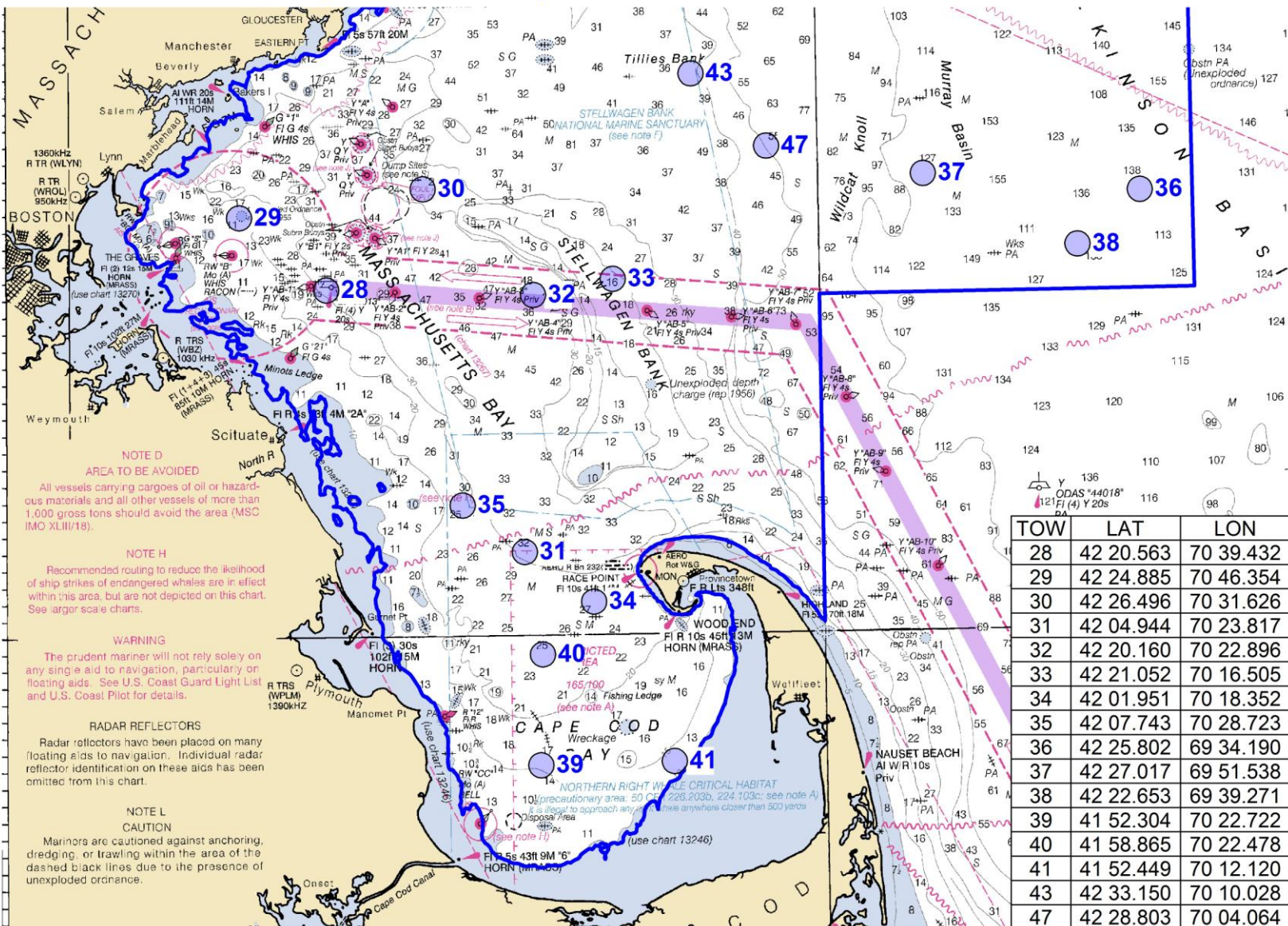
Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).



Industry Based Survey Tow Locations - November 2016



Industry Based Survey Tow Locations - November 2016



Industry Based Survey Tow Locations - December 2016

TOW	LAT	Lon
1	43 36.114	69 39.560
2	43 41.317	69 40.048
3	43 33.241	69 52.004
4	43 18.628	70 07.246
5	43 06.888	70 20.036
6	43 15.773	70 12.030
7	43 27.757	70 08.489
8	43 14.186	69 33.112
9	43 21.640	69 53.265
10	43 10.513	69 50.387
11	43 17.049	69 50.395
12	43 24.580	69 48.712
13	43 02.999	69 46.116
14	43 05.272	69 53.522
44	43 12.651	70 04.547

charting
Geodetic
s referred
t require
rt.

overnment
may claim
a depicting

ived from
g secular
s variation
If annual
subtractive

oter 2, U.S.
2 are pub-
concerning
the Com-
A or at the
gineers in

Log compiled for information use by the U.S. Coast Guard Light List.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the US Coast Guard, British Admiralty, and Canadian Charts.

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

**NOTE C
PRECAUTIONARY AREAS**
Traffic within the Precautionary Areas may consist of vessels operating between Portland Harbor or Boston Harbor and one of the established traffic lanes. Mariners are advised to exercise extreme care in navigating within these areas.

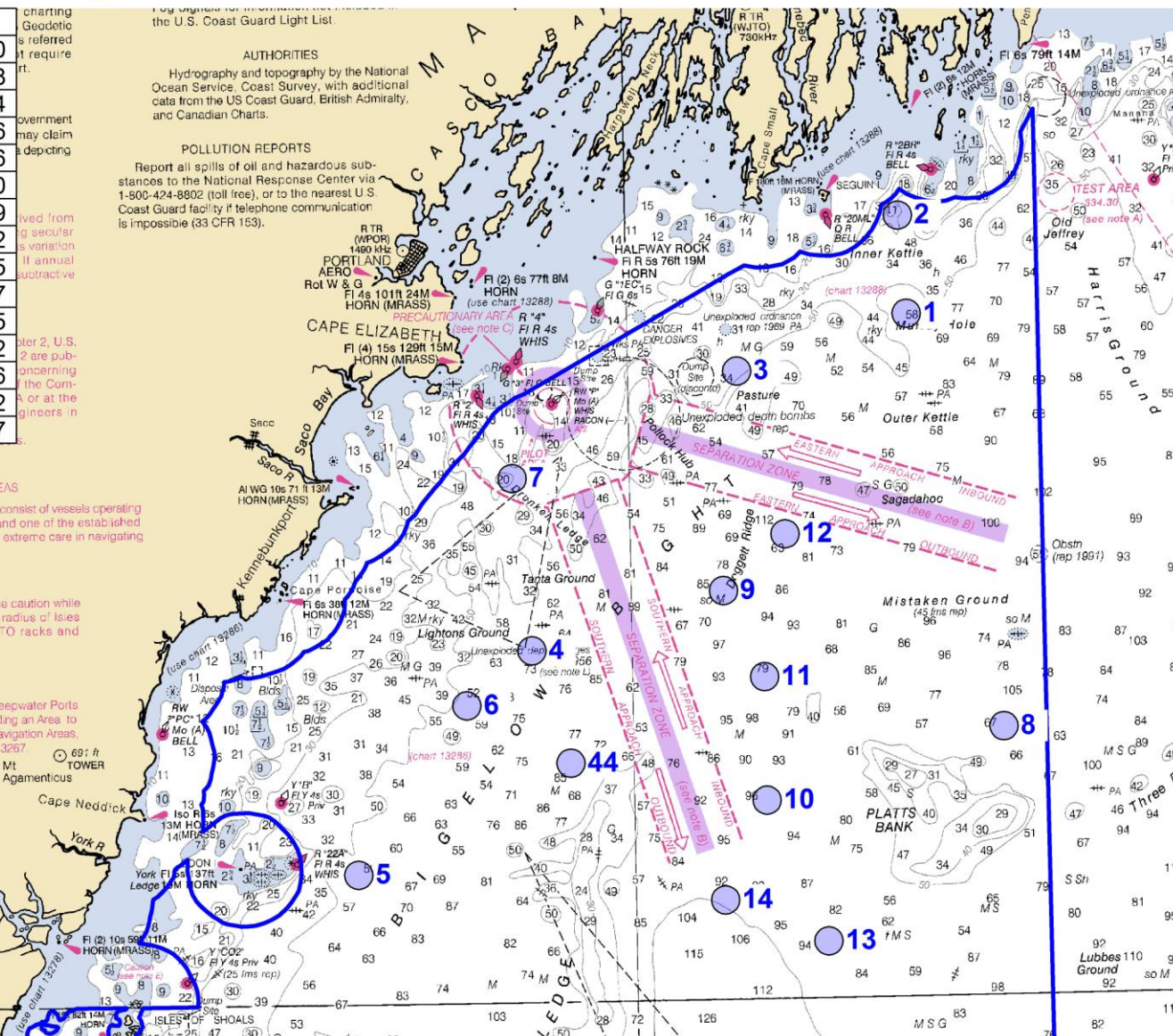
NOTE E
Trawlers or other vessels should exercise caution while dragging the ocean floor within a 6.7 - mile radius of Isles of Shoals Light since it is known that JATO racks and associated debris exist in the area.

**NOTE J
DEEP/WATER PORTS**
The Neptune and Northeast Gateway Deepwater Ports are encompassed by multiple boundaries including an Area to Be Avoided, No Anchoring Areas, Regulated Navigation Areas, and Safety and Security Zones. Refer to chart 13267.

**NOTE F
(Protected area 15 CFR 922)**
The following activities are prohibited within the Stellwagen Bank Marine Sanctuary:

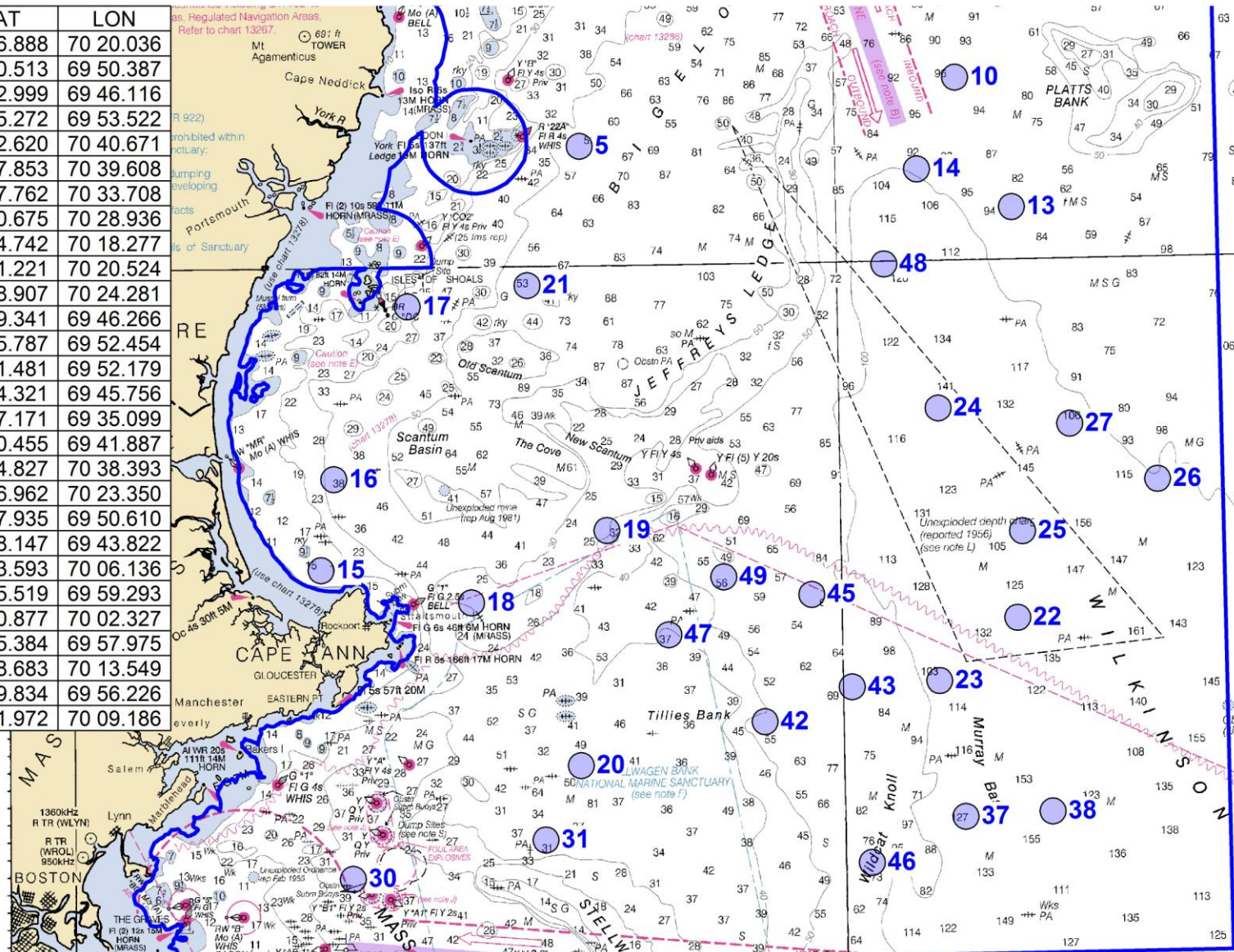
- Certain discharging or dumping
- Industrial exploring or developing
- Drilling and dredging
- Removing historical artifacts
- Lighting

Refer to 15 CFR 922 for details of Sanctuary regulations.

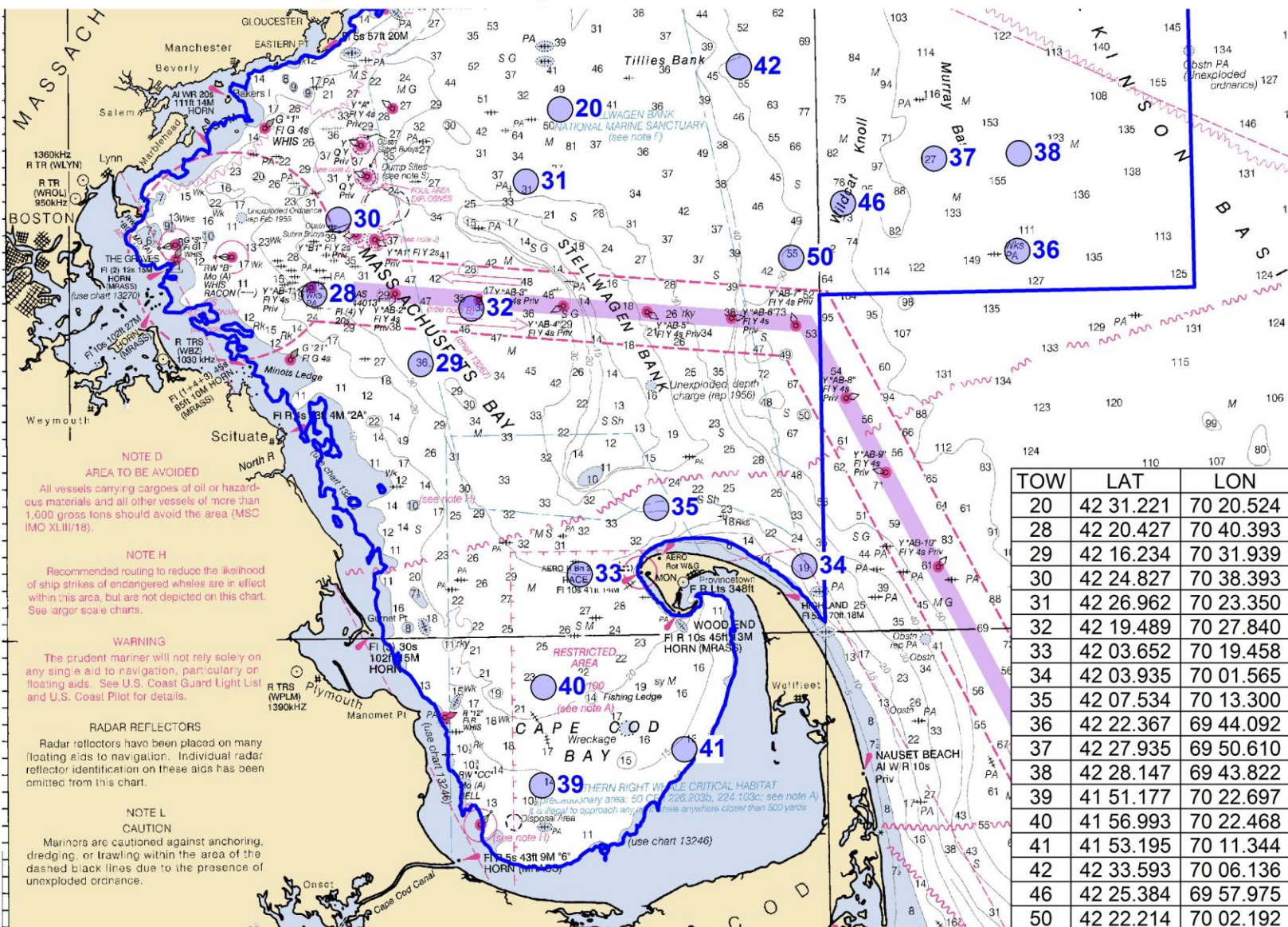


Industry Based Survey Tow Locations - December 2016

TOW	LAT	LON
5	43 06.888	70 20.036
10	43 10.513	69 50.387
13	43 02.999	69 46.116
14	43 05.272	69 53.522
15	42 42.620	70 40.671
16	42 47.853	70 39.608
17	42 57.762	70 33.708
18	42 40.675	70 28.936
19	42 44.742	70 18.277
20	42 31.221	70 20.524
21	42 58.907	70 24.281
22	42 39.341	69 46.266
23	42 35.787	69 52.454
24	42 51.481	69 52.179
25	42 44.321	69 45.756
26	42 47.171	69 35.099
27	42 50.455	69 41.887
30	42 24.827	70 38.393
31	42 26.962	70 23.350
37	42 27.935	69 50.610
38	42 28.147	69 43.822
42	42 33.593	70 06.136
43	42 35.519	69 59.293
45	42 40.877	70 02.327
46	42 25.384	69 57.975
47	42 38.683	70 13.549
48	42 59.834	69 56.226
49	42 41.972	70 09.186



Industry Based Survey Tow Locations - December 2016



Industry Based Survey Tow Locations - January 2017

TOW	LAT	LON
1	43 34.523	69 34.609
2	43 36.553	69 54.446
3	43 31.985	69 51.796
4	43 09.807	70 23.176
5	43 17.286	70 10.375
6	43 15.018	70 23.622
7	43 22.764	70 17.937
8	43 04.126	69 34.661
9	43 29.114	69 34.343
10	43 16.283	69 47.439
11	43 15.242	69 34.748
12	43 04.777	69 40.829
13	43 22.813	69 42.572
14	43 02.932	69 51.474
42	43 03.667	70 13.317
43	43 14.177	69 58.265
45	43 09.088	70 11.086
47	43 09.589	69 56.296

list of vessels operating in the area. Mariners are advised to exercise extreme care in navigating within these areas.

NOTE E

Trawlers or other vessels should exercise caution while dragging the ocean floor within a 6.7 - mile radius of Isles of Shoals Light since it is known that JATO racks and associated debris exist in the area.

NOTE J

DEEP/WATER PORTS
The Neptune and Northeast Gateway Deepwater Ports are encompassed by multiple boundaries including an Area to Be Avoided, No Anchoring Areas, Regulated Navigation Areas, and Safety and Security Zones. Refer to chart 13267.

NOTE F

(Protected area 15 CFR 922)
The following activities are prohibited within the Stellwagen Bank Marine Sanctuary:

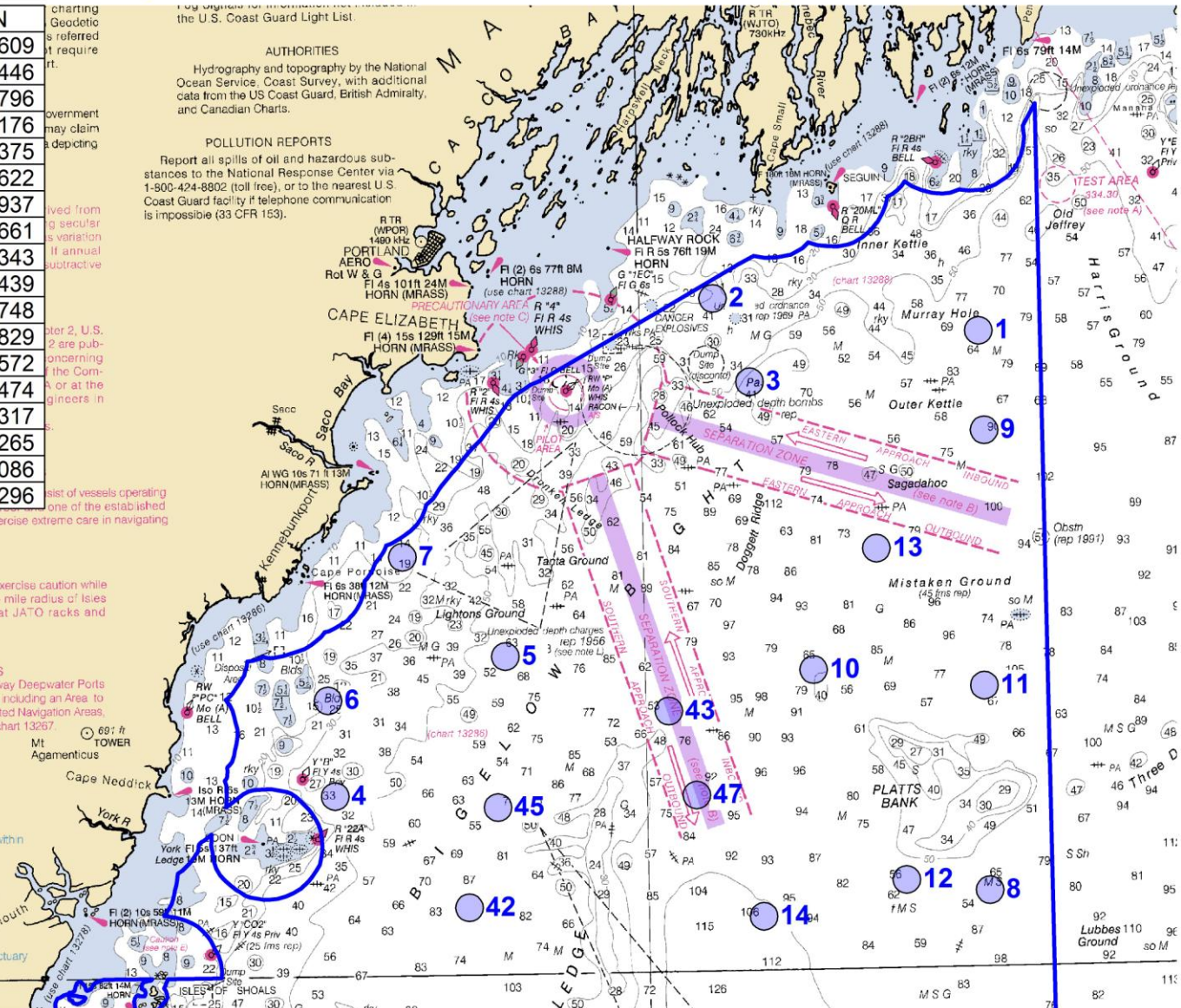
- Certain discharging or dumping
- Industrial exploring or developing
- Drilling and dredging
- Removing historical artifacts
- Lighting

Refer to 15 CFR 922 for details of Sanctuary regulations.

charting Geodetic referred require

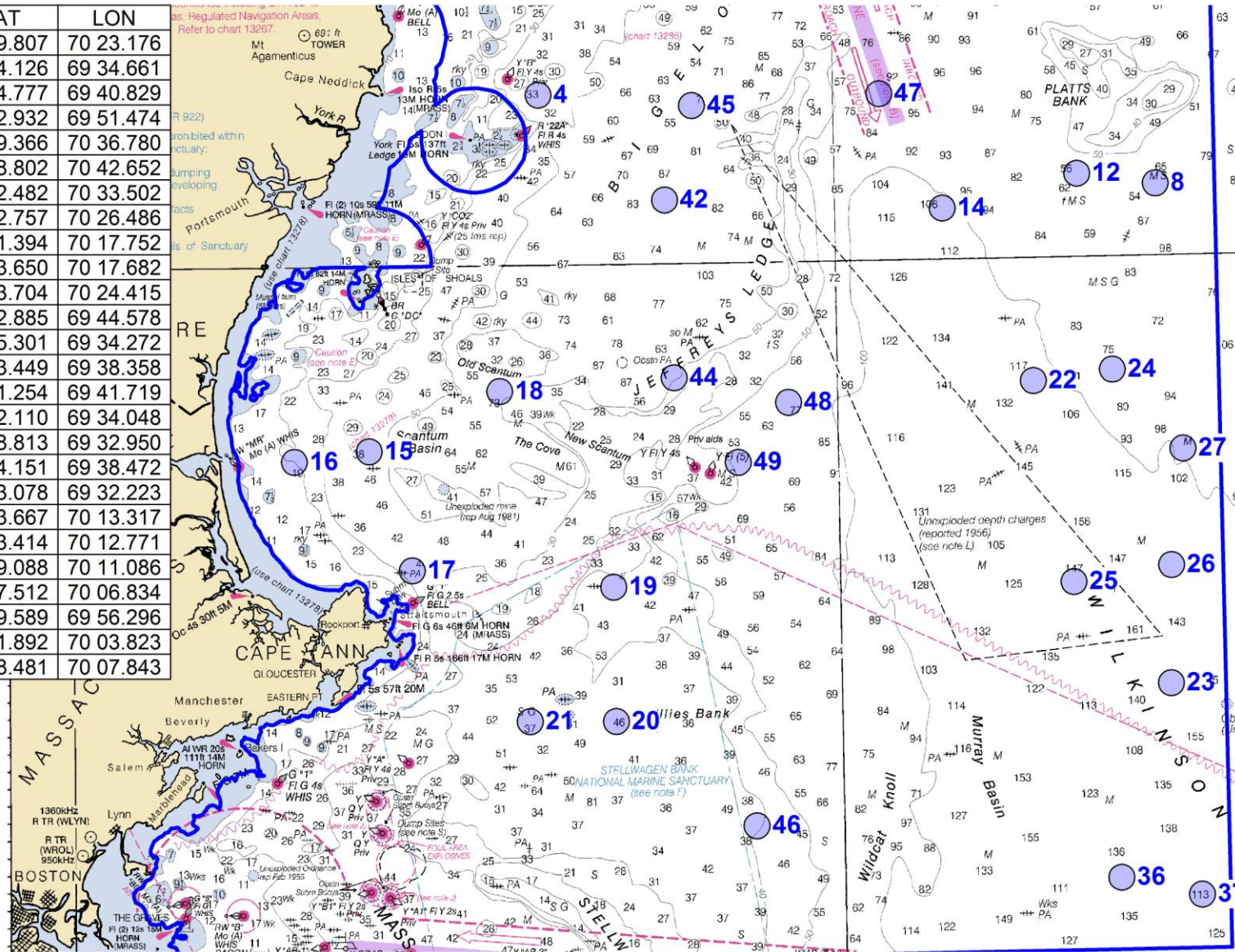
AUTHORITIES
Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the US Coast Guard, British Admiralty, and Canadian Charts.

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).



Industry Based Survey Tow Locations - January 2017

TOW	LAT	LON
4	43 09.807	70 23.176
8	43 04.126	69 34.661
12	43 04.777	69 40.829
14	43 02.932	69 51.474
15	42 49.366	70 36.780
16	42 48.802	70 42.652
17	42 42.482	70 33.502
18	42 52.757	70 26.486
19	42 41.394	70 17.752
20	42 33.650	70 17.682
21	42 33.704	70 24.415
22	42 52.885	69 44.578
23	42 35.301	69 34.272
24	42 53.449	69 38.358
25	42 41.254	69 41.719
26	42 42.110	69 34.048
27	42 48.813	69 32.950
36	42 24.151	69 38.472
37	42 23.078	69 32.223
42	43 03.667	70 13.317
44	42 53.414	70 12.771
45	43 09.088	70 11.086
46	42 27.512	70 06.834
47	43 09.589	69 56.296
48	42 51.892	70 03.823
49	42 48.481	70 07.843



Industry Based Survey Tow Locations - January 2017

